**KNN Regression**

Steps:

1. Launch SAS Enterprise Miner

Graphical user interface, text, website

Description automatically generated

1. Create or Open a Project.

Graphical user interface, application, Word

Description automatically generated

1. Create a Diagram.

A computer screen capture

Description automatically generated with medium confidence

1. From Sample, drag File import to the Diagram.
   1. Under Train > Import File ***Boston.csv***
   2. Under Train > Variables, select Features and Partition Data. Drop VAR1.
   3. Under Train > Variables, set 'medv' is the target variable.

Table

Description automatically generated

1. From Sample, drag Data Partition in the diagram.
   1. Partition dataset as 40% training, 40% validation, and 20% test.

Table

Description automatically generated

1. From Model, drag MBR in the diagram.
   1. Under Train, set Method as “Scan”
   2. Under Train, set Number of Neighbors as “3”

Table

Description automatically generated

* 1. Run MBR Node
  2. Once run completed successfully, check for the result.

Graphical user interface, application

Description automatically generated

1. Analyze result

Graphical user interface

Description automatically generated

1. Try setting Number of Neighbors as “7” this time. And check the result

Graphical user interface, table

Description automatically generated

Graphical user interface

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